Health Vigor and Strength

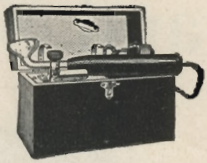
How the

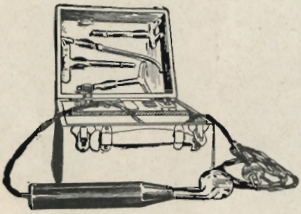
Star-Rite Violet Ray

increases Vitality and drives away Disease

FITZGERALD MFG. CO., TORRINGTON, CONN., U. S. A.

MODEL A
$12.50
Complete





MODEL B
$25.00
Complete

MODEL C
$50.00
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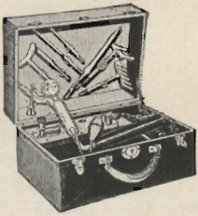

THE AGE OF MIRACLES

IT was Nicola Tesla who first put a transforming "atomizer" on the ordinary heavy arc current, and nebulized the thick flow of the low voltage current into an electrical mist — traveling with incredible velocity.

It was this discovery that opened the door to wireless telegraphy and wireless telephony.

It was the diffusion of the little particles of matter comprising the electric stream that brought a new era of electrical treatment into the world, and made possible the wonders of modern medical electricity.

For this diffusion splits up the particles of electricity so that they are more minute than the smallest blood corpuscles in our body — infinitely smaller than the finest pores in the skin.

With the pressure of the misty, vapory current, raised from approximately 110 volts to hundreds of thousands of volts, the electric discharge can be passed through the body without meeting any appreciable resistance. For this high frequency current — as it is called — does not stop anywhere in the body long enough to stimulate undue sensation, or to cause any discomforting muscle fibre contraction.

Yet this penetrating, vapory high frequency current will saturate every cell in the body — from head to foot filling it with new life and renewed resistance to fatigue, to disease, and to every form of abnormal functioning.

The high frequency, or "high potential" current, must not be confused with the old "interrupted current" of the galvanic or the faradic apparatus. These currents are relatively low in volume, voltage and in the number of "breaks" or "oscillations" per second. Any attempt to use this form of current necessarily produces severe and painful shocks — even with the very low amount of electrical fluid that can be employed.

But with the high frequency current the alternations rise to 10,000 or more per second, the amperage — which is chiefly responsible for the shock effect — is reduced very low; the voltage to hundreds of thousands — or even millions per second.

THE VIOLET RAY

While there are a number of ways in which the high frequency current can be administered, perhaps the most universally used and generally acceptable is by means of

the "violet rays" which method has proven most successful. These rays are generated in vacuum tubes of various shapes—to facilitate the application of the current to various parts of the body.

When this stream of electrical force is directed into the vacuum tube electrode, the glass and the vacuum act as a "resistance." This "resistance," inserted at the end of a metal conductor, acts upon the current about as the small nozzle at the tip of an atomizer would act on an oil spray. It nebulizes it.

It transforms the dense flow of electricity into a fine, needle-like spray, that acts powerfully upon the nervous system, upon the cells and tissues, and upon the billions of nerve and tissue cells that make up the body.

Heat, light, electrical energy, and pure life-giving ozone are generated through the glass vacuum electrodes of the violet ray.

WHAT INCREASED OXIDATION MEANS

The introduction of ozone into the system, which comes from the application of the glass vacuum tube of the violet ray apparatus, has a profound effect upon the entire body.

It tends to burn up or oxidize fatigue poisons, which have accumulated in the system, the "end products" of proteid metabolism, which may not have been reduced because of lack of oxygen and ozone in the system, and generally to stimulate all the processes of metabolism and assimilation.

The removal of these toxins from the system clears from the organism a mass of material so highly poisonous in its nature that one drop of the concentrated essence, if injected into the circulation of a rabbit or a guinea pig would prove instantly fatal.

Ninety per cent of all the diseases to which mankind is heir — excepting only those produced by acute infections, or by conditions which might be construed as surgical in their nature — are the result of a deficient

oxygenating power in the system. Because of this one may suffer from headache, neuralgia, neuritis, rheumatism, lumbago, sciatica, every form of nervous debility and irritability, and all the manifold symptoms which result from a disturbance of the proper functioning of the body metabolism.

It is because of this fact that the application of the STAR-RITE VIOLET RAY — the most compact, efficacious and economical of all forms of violet ray treatment — is so effective.

The wonderful concentration of electrical power in the STAR-RITE VIOLET RAY stimulates the blood to combat disease germs of every kind, and to increase the amount of the protective substances, therein, which prevent one from becoming "run down" or debilitated.

TO THOSE WHO BECOME TIRED

Every person who tires out readily or who lacks resistance and endurance, must be interested in the constructive and rehabilitating effects of the STAR-RITE VIOLET RAY.

The feeling of fatigue in the muscles is a result of prolonged work in the contracting or extending of the muscle, or in concentrating the mind upon some one particular subject to the exclusion of all other interests. This is due to the combustion, or burning up of the substances used to supply energy to the muscles — and to the accumulation of the waste products of muscle work, which products collect more rapidly than they can be excreted from the tissues.

Over-fatigue gradually reduces the power of muscle contraction, so that if, for instance, the arm muscles have been overtaxed by chronic fatigue, we have the distressing and anxiety-producing condition known as "writer's cramp." There are estimated to be more than fifty thousand cases of "writer's cramp" in this country. How many more there may be of "telegrapher's cramp," "pianist's cramp," and other forms of localized fatigue effects there can be no possible method of computing.

But in every case of fatigue neurosis, there must be one underlying factor — and that is over-accumulation of fatigue poisons. In every case this over-accumulation of fatigue poisons responds to the effect of increased oxidation, as developed by the consistent and intelligent use of the STAR-RITE VIOLET RAY.

For in every case the excess of carbon-dioxide in the motor centers, which makes the cells dull and heavy

and drowsy, is overcome by the development of ozone and oxygen, which electricity, in the form of the high frequency current, quickly and easily accomplishes.

THE VIOLET RAY APPLIED TO DIGESTIVE DISORDERS

The STAR-RITE VIOLET RAY also has a profound effect upon digestion, because of the fact that it stimulates an increased flow of blood to the digestive organs, from which rich digestive ferments can be developed.

It has been estimated that, following the use of the STAR-RITE VIOLET RAY over the stomach from fifteen minutes to a half hour after meals, fourteen times the amount of the previous blood supply is developed. What this means in the way of producing more active secretion of digestive enzymes and in stimulating a definite increase in the digestive power, can only be realized after noting the effect of the STAR-RITE VIOLET RAY in cases of indigestion accompanied by a low state of tone of the digestive organs and a deficient blood supply to these organs.

THE VIOLET RAY AND THE CIRCULATION

And one of the chiefest benefits of the high frequency current, as developed in the STAR-RITE VIOLET RAY, is the stimulating effect it has upon normal circulation — overcoming weak, vacillating action of the heart muscle and the circulatory apparatus that result in cold extremities, pallor, dizziness and vertigo, chilliness and extreme susceptibility to the influences of cold air or cold weather.

HOW THE STAR-RITE VIOLET RAY AFFECTS DEEP BREATHING

One of the most noticeable of the effects of the STAR-RITE VIOLET RAY is its influence upon respiration.

This is because of its stimulation of the vagus nerve and the two sets of nerve fibres, one of which increases the activity of inspiration and the other of expiration.

Almost invariably, it will be noticed that the application of the electrode of the STAR-RITE VIOLET RAY — more especially over the pneumo-gastric nerve at the pit of the stomach — will be followed by a deepened inspiration. This, in itself, is a powerful factor in increasing oxidation and in helping to overcome the influence of toxins which may have accumulated in the blood stream, or be stored up in the muscles or joints of the body.

The stimulation of respiratory energy in debilitated states increases diminished breathing capacity to as nearly normal as the lung cells will permit, and where there is an excessive amount of organic damage helps wonderfully in restoring the whole mechanism — both chest and lungs — to their normal condition. This increases the intake of oxygen and the output of carbonic acid, absolutely necessary in restoring the normal balance in any pathological state of the organism.

HOW THE "HIGH POTENTIAL" INFLUENCES THE SKIN

The skin is one of the most complex organs of the body, with a wonderful and complex function. It plays its part in the excretion and radiation of heat, and in the support of organs, blood vessels and muscles, and profoundly influences respiration and heart pressure. Its infinitely fine net-work of capillaries and nerves, and its intimate connection with every internal organ in the body, give it vital importance in the physical and physiological economy, not to be overestimated.

THE STAR-RITE VIOLET RAY acts as a tonic, stimulant, sedative and alterative to every cell and fibre of this marvelous and intricate covering. By properly directed treatment, we can tone up the muscle fibre and glands which are the very foundation of physical well-being; we can contract or dilute blood vessels, drawing to the surface more blood or dissipating the accumulation of surface blood, as occasion may require.

We can increase the breathing capacity of the skin, regulate the amount of perspiration, relieve pain when sensation is acute, cure many of its lesions, and comfort in divers and manifold ways.

Even from the standpoint of beauty we can stimulate the skin so as to remove blemishes, clarify the complexion,

brighten the eyes, bring roses to the cheeks and paint the hue of healthful functioning over the entire surface of the body.

THE SPINE AND ITS MARVELOUS CONNECTIONS

Every organ and every function of the body are either directly or reflexly connected with the great nerve in the center of the spinal column, or with the intricate plexii of nerves that radiate from each of the vertebrae thereof.

It is for this reason that some of the most marvelous results known to medical science have been attained in conditions that seemingly had no connection with the spine, by the application of the STAR-RITE VIOLET RAY to the spinal column.

The profound influence of the high potential current in stimulating the millions of microscopic nerve cells into normal activity, overcoming localized congestion which interferes with the free circulation or nutrition of certain blood distributions, is manifest in the application of the STAR-RITE VIOLET RAY. No drug known to medical science can accomplish the results which are of commonplace, everyday occurrence with the high frequency electric current. Nothing that physicians know of diet, hygiene, or any medical method, has ever produced the effects which are almost routine with the STAR-RITE VIOLET RAY.

By relieving the brain and the nervous system of the influence of toxins which might otherwise keep them awake and irritable, it brings restful sleep. It stimulates cell activity because of the pronounced effect it exerts upon nerve and muscle fibre, and thereby brings about the restoration of normal physiological tone.

It benefits all diseases due to a slackening of the nutritive functions, or a decreased combustion of the uric acid, urea and organic toxins generated in the normal processes of physiological activity.

It increases strength and vital energy. It stimulates the feeling of well-being — the ability to perform increased work. It improves the appetite, indigestion and assimilation. It favors elimination by stimulating the normal activity of the kidneys, bowels and skin. It overcomes local and general pain, and is almost universally dependable in gout, rheumatism, lumbago, sciatica and all diseases resulting from the retention of waste products in the system or the imbalance of normal metabolism.

THE METHOD OF APPLICATION

The method of applying the STAR-RITE VIOLET RAY is so simple that a child can manipulate the device, once he has been shown. It merely requires that you insert the attachment plug into the nearest lamp socket and then turn on the current. If the machine does not begin to operate, turn the regulator to the right until it does. Turning to the right increases, and to the left decreases the strength of the current coming through the electrodes. This regulator is not a shut-off or switch, but simply regulates the strength of the current. When you are through using the VIOLET RAY detach the plug from the lamp socket or receptacle.

This machine requires absolutely no oiling of any kind. If electrodes become loose in the handle unscrew the end of the handle, remove the applicator socket, and press the holder together sufficiently to make a tight connection. If the electrodes should break while in use the same method must be resorted to, i. e., remove electrodes from the applicator holder.

ATTENTION

The VIOLET RAY should not be used on the scalp or any part of the body while the same is being treated with water or any other liquid preparation. It is the same as any other electrical device, and of course must be handled accordingly.

Care should also be observed that the machine be not used while you are standing in the bathtub or "ground" contact with a water or radiator pipe, or any other metallic device that might complete a short circuit.

GENERAL INSTRUCTIONS

The following instructions are written in the simplest way, and will give excellent results if properly followed.

There are many text books for those who desire to study deeper into this subject and we would be glad upon your request to send you the latest information covering them. We recommend that VIOLET RAYS, at all times be used in conjunction with advice received from the owner's physician.

The diseases or disorders which the VIOLET RAY is especially qualified to help are so varied in their nature that, instead of grouping them, it is thought best to consider their treatment in alphabetical order. This will also make it easier to find the treatment for the particular ailment from which you may be suffering. Wherever possible, especially when the electrode is to be used in direct contact with the skin, it is well to insure thorough dryness of the surface by dusting over the skin a liberal application of talcum, stearate of zinc, or some other dusting powder. This will facilitate the moving of the electrode to and fro on the surface of the skin, and make the treatment much more pleasant and easy to take.

ABSCESSES—Use medium current, and keep Electrode No. 1 in contact with the skin. Move it gently over the surface affected for four or five minutes. Many medical men speak in the highest terms of the utility of the VIOLET RAY in these conditions or even in those grave abscesses of the mastoid bones which ordinarily result in operation. In the beginning stages, or period of incubation, treatment should be given twice daily. In the acute stage, with chills, fever, headache, nausea, fifteen-minute treatments should be given at half-hour intervals, until the fever subsides and the patient perspires freely.

ACNE (Pimples)—Apply Electrode No. 1 for about five minutes to the entire surface affected, using the current as strong as can be comfortably borne three or four times daily. For BOILS or CARBUNCLES the length of this application should be extended. Fifteen-minute applications, two or three times a day, are none too many. The persistent and careful application of the high frequency current in these conditions not only affects their formation, but seems to relieve the induration and improve the general condition of the skin.

ALOPECIA—(Falling Hair)—Use Electrode No. 4, starting with a mild current, and gradually increasing until there is a decidedly sharp tingling sensation. Pass the electrode back and forth over the entire scalp twice daily, morning and night, for about ten minutes. Many patients

have, after about fifty applications of the VIOLET RAY, found that their Alopecia disappeared, and strong hair grew out of the former bald patches. It is wise sometimes to rub the glass electrode over the bald patches until a bright redness is produced, which result is usually brought about in three or four minutes. If this feeling of warmth can be easily induced, and if it persists for some hours after each application, it is almost certain that much good of a lasting kind will be accomplished by this method of treatment.

ANEMIA—Apply Electrode No. 1 about seven or eight minutes, using a medium-strong current, and giving a "general body treatment." The region of the spleen on the left side should be very thoroughly treated and careful treatment should be administered along the course of the spine for five minutes at each treatment. This is intended to stimulate the organs of digestion and the processes of metabolism and assimilation.

It helps materially in the production of new red blood cells and increases the oxygen-carrying power of the red corpuscles, besides developing ozone, which is carried to every cell and tissue in the system.

BACKACHE (Lumbago)—Use Electrode No. 1 and treat the entire area affected for fifteen minutes at a time, repeating the treatment twice daily. Very often one or two treatments will afford a marvelous degree of relief in these conditions.

BLACKHEADS—Treatment with Electrode No. 1, two or three times a day, markedly stimulates the general nutrition of the skin and helps local corrective measures with unguents, steaming hot towels, and applications of cold water or "ironing" with a piece of ice — all of which are effective measures.

BRONCHITIS—Sharp sparks, sufficient to produce a reddening of the skin, which may be produced by holding the electrode an inch or more away from the surface, should

be administered over the entire chest. This treatment should continue for four or five minutes, repeated three or four times daily, and be followed in each instance by a general treatment on the surface of the skin with Electrode No. 1. Use Ozone Generator No. 16, which will also be beneficial.

BRUISES—Use Electrode No. 1 with a medium current to the affected spot. This should only be applied for a few minutes, and if possible the area should be thoroughly powdered before the application of the electrode. Very rapid results can frequently be secured in this condition, because of the fact that the circulation of the blood to the parts is stimulated, the stagnant blood being carried out and a new supply of rich, health-building blood brought to the parts.

CALLOUSES—Use strong current, through Electrode No. 1. Spark the skin for a minute and then apply the electrode in contact with the skin, moving slowly over the affected section.

CATARRH—The use of Ozone Generator, our No. 16, usually gives relief. Apply Electrode No. 1 with a mild current over surface of nose and back of neck. A general tonic treatment over the entire surface of the body usually helps Catarrh. In Stomach or Intestinal Catarrh, or conditions of long standing, the treatment should be very persistent. Sometimes it may take three or four months before a decided benefit may be experienced.

COLD EXTREMITIES—Use Electrode No. 1 with a fairly strong current for approximately five minutes over the affected area until a redness is produced on the skin. Keep electrode in contact throughout treatment.

COLDS IN THE HEAD—Ozone inhalations are usually a relief for colds of this kind. Also an application of No. 1 electrode over the forehead, nose and sides of face, with a mild current twice a day is relieving. A general tonic treatment, by application of the electrode to the chest, abdomen and spine should always be a part of the treatment for colds, as it will assist in increasing resistance and hasten convalescence.

DANDRUFF—Use electrode No. 4, rubbing it gently over the scalp every day for three or four minutes with a mild current. Shampooing the scalp weekly is advisable, but never force a treatment, or do not use any hair tonic, whatever, or apply the electrode while the hair or scalp is moist in any way.

DYSPEPSIA—Apply Electrode No. 1 with a strong current over the region of stomach with an application lasting five minutes daily. This should, in sufficient time, show marked improvement. In all cases of Dyspepsia, spinal treatment is most beneficial, especially over those vertebrae which lie on that part of the back between the lower border of the shoulder blades and the upper border of the hips.

ECZEMA—Place handkerchief, gauze or thin cloth over affected area. Use Electrode No. 1, with a mild current, treat each day for about four or five minutes. If possible increase the current strength, especially if it is a case of long standing.

EYE TREATMENT—Use Electrode No. 6 or No. 7, with a very mild current for a short period of two or three minutes. Close the eyelids and repeat this treatment daily. Where the eyes are tired from overwork, or from working under electric lights, this treatment will be found exceedingly restful, at the same time stimulating the optic nerve to increased vitality.

GOITRE—There are cases that yield to the treatment of the VIOLET RAY. Use No. 3 electrode with as strong a current as possible without too much discomfort, and treat through a thin handkerchief or gauze instead of direct through the skin. It should be treated daily from three to five minutes.

GRAY HAIR—VIOLET RAY has brought pleasing results in the treatment of gray hair. We recommend Electrode No. 1, using three to four minutes daily. It is, of course, necessary to use this treatment for a number of weeks before any distinct hope of improvement can be expected, but it is astonishing how many cases will respond to this treatment.

HAY FEVER—Treat the same as for Catarrh.

HEADACHE—Apply Electrode No. 1 with a mild current over forehead and down the back of neck. If this does not give relief treat the stomach with an application of Electrode No. 1, using for two to three minutes, and an occasional application down the spine. It is almost unnecessary to state that in every organic disorder careful attention should be paid to the condition of the bowels. At least two daily movements should be secured, in order to help carry off the poisons generated in the system.

INFLAMMATIONS—Electrode No. 1 will many times produce a relief to the affected area. Use a medium cur-

rent for about three to five minutes. Local applications of extremely hot or cold water after treatment, sometimes prove of great assistance.

INSOMNIA—Apply Electrode No. 1 to the back of the head, neck and eyebrows for three to five minutes with as strong a current as user can tolerate. A five-minute application along the spinal column is of very great benefit in this condition. It is advisable to have some one else make these applications wherever possible, as sometimes the attempt by the patient himself to apply the treatment has the effect of stimulating wakefulness.

LUMBAGO—See BACKACHE.

MASSAGE—Electrode No. 1 is used and application through gauze or handkerchief is advantageous. As strong a current as possible is recommended, and the stronger the current the less time is required for the massage.

MOTH PATCHES OR MOLES—Apply Electrode No. 1 direct to the affected spot for just a few seconds. Short applications are very beneficial. It is advisable in these conditions to give the spark treatments, also using as strong a spark as can be borne. This helps to break up the pigmentation, and remove discolorations.

NERVOUSNESS—Use Electrode No. 5. Massage over the spine and give an application of Electrode No. 12 to the back of the head and neck, as this is very beneficial. In all cases use a very mild current. Application of three to five minutes is recommended.

NEURITIS—Use Electrode No. 1 over the affected area for four to five minutes daily. If the case is very stubborn you may repeat this application twice each day, using a medium current and increasing it as the user becomes accustomed to the application. In most cases this gives almost immediate relief.

NURSING MOTHERS—Great benefits frequently follow the use of the VIOLET RAY in the case of nursing mothers. Electrode No. 1 should be used gently over the breasts for five to seven minutes at a time, repeating the treatment at least three times a day.

PAINS—VIOLET RAY is an unusual pain reliever. In most cases the application of Electrode No. 1 to the affected spots gives almost immediate relief. A mild current is recommended.

PARALYSIS—VIOLET RAY is recommended in the relief of this malady. This is treated with Electrode No. 1 moving it along the affected muscles with a strong current. The application of a spark through a Turkish towel also is

beneficial, and with treatment of this kind for five to six minutes daily, relief should be felt.

PILES—VIOLET RAY is recommended for the treatment of this affliction. Electrode No. 8, properly lubricated before insertion, is recommended. We suggest that in this treatment you confer with your physician.

RHEUMATISM—For rheumatism, strong currents are recommended. Electrode No. 1 is recommended and should be applied to the affected area until the pain lessens. An application of five to ten minutes is advisable, and can be applied as often as the user desires. We suggest treatment through a cloth, or through layers of thick Turkish toweling.

SCALP TREATMENT—See ALOPECIA, DANDRUFF and GRAY HAIR.

SKIN DISEASES—See ACNE and ECZEMA.

SCIATICA, STIFF JOINTS and STIFF NECK—See RHEUMATISM.

SORE THROAT—Electrode No. 3 is used with a mild current. Keep in close contact with the skin and use for three to five minutes. If it is a stubborn case, use twice daily. Applications of cloths, wrung out of cold water, may be employed after each treatment, leaving the cloth on for several hours if necessary.

SPRAINS—Contact applications with Electrode No. 1, using a mild current with now and then sharp sparks through a towel, as a rule give considerable relief.

ULCERS—See ABSCESSES and ACNE.

WARTS—Use Electrode No. 1, letting the sparks pass through the side instead of the face of the electrode to the affected spot. Use as strong a current as possible. Treatment should last three to five seconds. Apply every three days.

GUARANTY

THE STAR-RITE VIOLET RAY is guaranteed for one year from date of purchase, against any defects in material or workmanship of any kind. THE STAR-RITE VIOLET RAY is made out of the best material, selected for its efficiency and durability, and the machines manufactured and assembled by skilled workmanship.

No One Knows What Life Is

The greatest scientists believe it may be a form of electricity.

The results of

Violet Ray

Treatment

almost warrant the belief in the age of miracles. It shines forth as the outstanding method of achieving the miraculous.

It is estimated that in this country two hundred and fifty million dollars are lost every year, through sicknesses not grave enough to demand the services of a physician; while the loss that results from over-fatigue or the lowering of vitality and endurance is, from the economic point of view, even greater than that caused by illness.

Many of the ablest specialists in electrical treatment contend that 90 per cent of this loss could be prevented by the proper use of the VIOLET RAY.

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